Subject: Oskar's Magic by OSKAR
Posted by Oskar_van_Deventer on Sat, 21 Apr 2012 09:31:35 GMT
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Hi Shapeways fans,

Oskar's Magic: a solid 3mm metal rod can slide (almost) effortlessly through the block. How can that be?

The mechanism for this puzzle is related to the ancient Heron's Horse, where the magician slices a sword through the neck of a horse state without the head falling off. However, whereas Heron's mechanism (see page 109) uses rotors, Oskar's mechanism features meshing gears. The result is less friction and a smoother cut.

Watch the YouTube video.
Buy the magic at my Shapeways Shop.
Read more at the Non-Twisty Puzzles Forum.
Check out the photos below.

Enjoy!

Oskar

File Attachments

1) Oskars-Magic-v2---02.jpg, downloaded 255 times
2) Oskars-Magic-v2---04.jpg, downloaded 257 times
3) Oskars-Magic-v2---05.jpg, downloaded 253 times
4) Oskars-Magic-v2---06.jpg, downloaded 253 times
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Subject: Re: Oskar's Magic by OSKAR
Posted by Magic on Sun, 22 Apr 2012 10:02:03 GMT
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Very impressive, Oskar!
I did not know the Heron's Horse mechanism either.
This is very instructive.
Thank you for sharing.

Subject: Re: Oskar's Magic by OSKAR
Posted by gibell on Sun, 22 Apr 2012 16:53:36 GMT
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Great job, Oskar!! It does look like a magic trick. I guess you could even have up to three rods descending in the gears at the same time. As long as each one stayed in its special slot.

Heron's mechanism with the horse drinking afterwards is amazing! Especially given the state of metallurgy, let alone 3D printing, 2000 years ago.